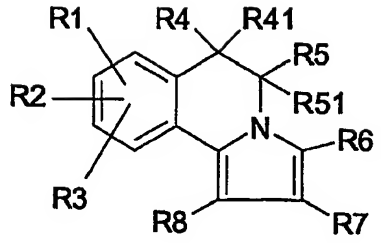
Patent claims

1. Compounds of formula I



(I)

in which

R1 is halogen, nitro, amino, mono- or di-1-4C-alkylamino, 1-4C-alkyl, hydroxyl, 1-4C-alkoxy, 1-4C-alkoxy-2-4C-alkoxy, 3-7C-cycloalkoxy, 3-7C-cycloalkylmethoxy, or completely or predominantly fluorine-substituted 1-4C-alkoxy,

R2 is hydrogen, halogen or 1-4C-alkoxy, and

R3 is hydrogen or 1-4C-alkoxy, or

R2 and R3 bound to the benzo ring moiety in ortho-position to each other together form a 1-2C-alkylenedioxy bridge, or

R2 and R3 bound to the benzo ring moiety in ortho-position to each other together form a completely or predominantly fluorine-substituted 1-2C-alkylenedioxy bridge, or

R1 and R2 bound to the benzo ring moiety in ortho-position to each other together form a 1-2C-alkylenedioxy bridge and R3 is hydrogen, or

R1 and R2 bound to the benzo ring moiety in ortho-position to each other together form a completely or predominantly fluorine-substituted 1-2C-alkylenedioxy bridge and R3 is hydrogen,

R4 is hydrogen, fluorine, chlorine, 1-4C-alkyl, trifluoromethyl, cyclopropyl, cyano, 1-4C-alkoxycarbonyl or $-CH_2-O-R411$, in which

R411 is hydrogen, 1-4C-alkyl, 1-4C-alkoxy-2-4-alkyl or 1-4C-alkylcarbonyl,

R41 is hydrogen or 1-4C-alkyl,

R5 is hydrogen, fluorine or 1-4C-alkyl, and

R51 is hydrogen or 1-4C-alkyl,

or

R4 is hydrogen, fluorine, chlorine or 1-4C-alkyl,

R41 is hydrogen or 1-4C-alkyl,

R5 is hydrogen, fluorine, 1-4C-alkyl, trifluoromethyl, cyclopropyl, cyano, 1-4C-alkoxycarbonyl or

$-CH_2-O-R511$, in which

R511 is hydrogen, 1-4C-alkyl, 1-4C-alkoxy-2-4-alkyl or 1-4C-alkylcarbonyl, and

R51 is hydrogen or 1-4C-alkyl,

or

R4 and R5 together form a 1-4C-alkylene bridge and R41 and R51 are both hydrogen,

R6 is 1-6C-alkyl, amino, formyl, or 1-4C-alkyl substituted by R61, in which

R61 is 1-4C-alkoxycarbonyl, carboxyl, 1-4C-alkoxy, hydroxyl, halogen or -N(R611)R612, in which

R611 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl or 3-7C-cycloalkyl-1-4C-alkyl, and

R612 is hydrogen or 1-4C-alkyl, or

R611 and R612 together and with inclusion of the nitrogen atom to which they are bound form a radical Het1, in which

Het1 is a 5- to 7-membered saturated heterocyclic ring radical comprising one nitrogen atom, to which R611 and R612 are bound, and, optionally, one further heteroatom selected from a group consisting of nitrogen, oxygen and sulfur, and optionally substituted by R613 on a ring nitrogen atom, in which

R613 is 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, hydroxy-2-4C-alkyl, 1-4C-alkoxy-2-4C-alkyl, amino-2-4C-alkyl, mono- or di-1-4C-alkylamino-2-4C-alkyl, formyl, pyridyl or pyrimidinyl,

R7 is phenyl, Het2, R71- and/or R72- and/or R73-substituted phenyl, R74- and/or R75-substituted Het2, naphthyl, or R76- and/or R77-substituted naphthyl, in which

Het2 is either

a monocyclic or fused bicyclic 5- to 10-membered heteroaryl radical comprising one to three heteroatoms, each of which is selected from a group consisting of nitrogen, oxygen and sulfur,

or

a fused bicyclic 9- or 10-membered, partially saturated heterocyclic ring radical containing a benzene ring and comprising one or two heteroatoms, each of which is selected from a group consisting of nitrogen, oxygen and sulfur,

or

N-oxy-pyridyl,

R71 is hydroxyl, halogen, nitro, cyano, trifluoromethyl, 1-4C-alkyl, 1-4C-alkoxy, amino, mono- or di-1-4C-alkylamino, 1-4C-alkylsulphonylamino, arylsulphonylamino, 1-4C-alkoxycarbonyl, carboxyl, 1-4C-alkylthio, aryloxy-2-4C-alkoxy, aryloxy-1-4C-alkyl, aryloxy, aryl-1-4C-alkoxy, aryl, 1-4C-alkoxy-2-4C-alkoxy, 1-4C-alkoxy-1-4C-alkyl, hydroxy-2-4C-alkoxy, amino-2-4C-alkoxy, mono- or di-1-4C-alkylamino-2-4C-alkoxy, completely or predominantly fluorine-substituted 1-4C-alkoxy, mono- or di-1-4C-alkylaminocarbonyl, carbamoyl, tetrazolyl, or $-N(H)S(O)_2-N(R712)R713$, in which

aryl is phenyl or R711-substituted phenyl, in which

R711 is halogen, 1-4C-alkyl, 1-4C-alkoxy, nitro or cyano,

R712 is 1-4C-alkyl, and

R713 is 1-4C-alkyl, or

R712 and R713 together and with inclusion of the nitrogen atom to which they are bound form a radical Het3, in which

Het3 is pyrrolidin-1-yl, piperidin-1-yl or morpholin-4-yl,

R72 is halogen, 1-4C-alkyl, 1-4C-alkoxy or 1-4C-alkoxycarbonyl,

R73 is 1-4C-alkyl or 1-4C-alkoxy,

R74 is halogen, 1-4C-alkyl, trifluoromethyl, 1-4C-alkoxy, cyano, amino, mono- or di-1-4C-alkylamino, 1-4C-alkoxycarbonyl, morpholino, carboxyl, nitro, phenyl, phenyloxy, phenyl-1-4C-alkyl, arylsulphonyl, 1-4C-alkylsulphonyl, or $-S(O)_2-N(R712)R713$,

R75 is 1-4C-alkyl or halogen,

R76 is halogen, hydroxyl, 1-4C-alkyl, 1-4C-alkoxy, carboxyl or 1-4C-alkoxycarbonyl,

R77 is 1-4C-alkyl or 1-4C-alkoxy,

R8 is 1-4C-alkyl, phenyl, 2-4C-alkinyl, cyano, $-CH_2-O-R81$, phenylcarbonyl, -C(O)-N(R82)R83 or -C(O)-OR9, in which

R81 is hydrogen, 1-4C-alkyl, 1-4C-alkoxy-2-4-alkyl or 1-4C-alkylcarbonyl,

R82 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, phenyl or phenyl-1-4C-alkyl, and

R83 is hydrogen or 1-4C-alkyl, or

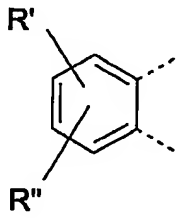
R82 and R83 together and with inclusion of the nitrogen atom, to which they are bound, form a heterocyclic ring radical selected from the group consisting of pyrrolidinyl, piperidinyl, morpholinyl or N-(1-4C-alkyl)-piperazinyl,

R9 is hydrogen or 1-4C-alkyl;

under the first provisio, that this subgroup of compounds of formula I,

wherein the combination of all of the following restrictions a.) to c.) apply, is thereof disclaimed:

a.) the substitution pattern of the left R1- and/or R2- and/or R3-substituted benzo ring of the dihydroisoquinoline moiety of the pyrrolodihydroisoquinoline scaffold shown in formula I is as follows:



in which

R' and R" can be bonded at any possible position of the benzo ring, and

R' is hydroxyl, 1-4C-alkoxy or trifluoromethoxy,

R" is hydrogen or 1-4C-alkoxy,

or R' and R" bound to the benzo ring moiety in ortho-position to each other together form a 1-2C-alkylenedioxy bridge,

and

b.) R4 is hydrogen, and
R41 is hydrogen, and
R5 is hydrogen, and
R51 is hydrogen,
and
c.) R8 is -C(O)-OR9, in which
R9 is 1-4C-alkyl;

and under the second provisio, that,
when R5 and R51 are both hydrogen, then
R8 is other than phenyl, phenylcarbonyl, -C(O)-N(R82)R83 or -C(O)-OR9, in which
R82 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl, phenyl or phenyl-1-4C-alkyl,
R83 is hydrogen or 1-4C-alkyl, or
R82 and R83 together and with inclusion of the nitrogen atom, to which they are bound, form a heterocyclic ring radical selected from the group consisting of pyrrolidinyl, piperidinyl, morpholinyl or N-(1-4C-alkyl)-piperazinyl, and
R9 is 1-4C-alkyl;
and to the salts, stereoisomers, hydrates and hydrates of the salts of these compounds.

2. Compounds of formula I according to claim 1,
in which
R1 is hydroxyl, 1-4C-alkoxy, 1-4C-alkoxy-2-4C-alkoxy, 3-7C-cycloalkoxy, 3-7C-cycloalkylmethoxy, or completely or predominantly fluorine-substituted 1-4C-alkoxy,
R2 is hydrogen, halogen or 1-4C-alkoxy, and
R3 is 1-4C-alkoxy, or
R2 and R3 bound to the benzo ring moiety in ortho-position to each other together form a 1-2C-alkylenedioxy bridge, or
R2 and R3 bound to the benzo ring moiety in ortho-position to each other together form a completely or predominantly fluorine-substituted 1-2C-alkylenedioxy bridge, or
R1 and R2 bound to the benzo ring moiety in ortho-position to each other together form a 1-2C-alkylenedioxy bridge and R3 is hydrogen, or
R1 and R2 bound to the benzo ring moiety in ortho-position to each other together form a completely or predominantly fluorine-substituted 1-2C-alkylenedioxy bridge and R3 is hydrogen,
and none of R1, R2 and R3 is bound to the 10-position of the pyrrolo[2.1-a]isoquinoline ring,
R4 is hydrogen or 1-4C-alkyl,
R41 is hydrogen or 1-4C-alkyl,
R5 is hydrogen, 1-4C-alkyl, cyano or 1-4C-alkoxycarbonyl, and
R51 is hydrogen or 1-4C-alkyl,

or

R4 and R5 together form a 1-4C-alkylene bridge and R41 and R51 are both hydrogen,

R6 is 1-6C-alkyl, or 1-4C-alkyl substituted by R61, in which

R61 is 1-4C-alkoxycarbonyl or -N(R611)R612, in which

R611 is 1-4C-alkyl, and

R612 is 1-4C-alkyl, or

R611 and R612 together and with inclusion of the nitrogen atom to which they are bound form a radical Het1, in which

Het1 is pyrrolidin-1-yl, piperidin-1-yl, morpholin-1-yl, or N-(1-4C-alkyl)-piperazinyl,

R7 is Het2, R71- and/or R72- and/or R73-substituted phenyl, R74-substituted Het2, or naphthyl, in which

Het2 is either

a monocyclic or fused bicyclic 5- to 10-membered heteroaryl radical comprising one to three heteroatoms, each of which is selected from a group consisting of nitrogen, oxygen and sulfur,

or

a fused bicyclic 9- or 10-membered, partially saturated heterocyclic ring radical containing a benzene ring and comprising one or two heteroatoms, each of which is selected from a group consisting of nitrogen, oxygen and sulfur,

or

N-oxy-pyridyl,

R71 is hydroxyl, halogen, nitro, cyano, trifluoromethyl, 1-4C-alkyl, 1-4C-alkoxy, amino, mono- or di-1-4C-alkylamino, 1-4C-alkylsulphonylamino, 1-4C-alkoxycarbonyl, carboxyl, aryloxy, completely or predominantly fluorine-substituted 1-4C-alkoxy, mono- or di-1-4C-alkylaminocarbonyl, carbamoyl, tetrazolyl, or $-N(H)S(O)_2-N(R712)R713$, in which

aryl is phenyl or R711-substituted phenyl, in which

R711 is halogen or 1-4C-alkyl,

R712 is 1-4C-alkyl, and

R713 is 1-4C-alkyl, or

R712 and R713 together and with inclusion of the nitrogen atom to which they are bound form a radical Het3, in which

Het3 is pyrrolidin-1-yl, piperidin-1-yl or morpholin-4-yl,

R72 is halogen, 1-4C-alkyl or 1-4C-alkoxy,

R73 is 1-4C-alkyl or 1-4C-alkoxy,

R74 is 1-4C-alkyl, phenyl-1-4C-alkyl, arylsulphonyl, 1-4C-alkylsulphonyl, or $-S(O)_2-N(R712)R713$,

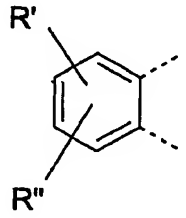
R8 is 1-4C-alkyl, cyano, or -C(O)-OR9, in which

R9 is hydrogen or 1-4C-alkyl;

under the first proviso, that this subgroup of compounds of formula I,

wherein the combination of all of the following restrictions a.) to c.) apply, is thereof disclaimed:

a.) the substitution pattern of the left R1- and/or R2- and/or R3-substituted benzo ring of the dihydroisoquinoline moiety of the pyrrolodihydroisoquinoline scaffold shown in formula I is as follows:



in which

R' and R" can be bonded at any possible position of the benzo ring, except the 10-position, and

R' is hydroxyl, 1-4C-alkoxy or trifluoromethoxy,

R" is hydrogen or 1-4C-alkoxy,

or R' and R" bound to the benzo ring moiety in ortho-position to each other together form a 1-2C-alkylenedioxy bridge,

and

b.) R4 is hydrogen, and

R41 is hydrogen, and

R5 is hydrogen, and

R51 is hydrogen,

and

c.) R8 is -C(O)-OR9, in which

R9 is 1-4C-alkyl;

and under the second provisio, that,

when R5 and R51 are both hydrogen, then

R8 is other than -C(O)-OR9, in which

R9 is 1-4C-alkyl;

and the salts, stereoisomers, hydrates and hydrates of the salts of these compounds.

3. Compounds of formula I according to claim 1,

in which

R1 is bound to the 8-position of the pyrrolo[2.1-a]isoquinoline ring, and is 1-4C-alkoxy,

R2 is bound to the 7-position of the pyrrolo[2.1-a]isoquinoline ring, and is hydrogen, halogen or 1-4C-alkoxy,

R3 is bound to the 9-position of the pyrrolo[2.1-a]isoquinoline ring, and is 1-4C-alkoxy,

R4 is hydrogen,

R41 is hydrogen,

R5 is hydrogen, 1-4C-alkyl, cyano or 1-4C-alkoxycarbonyl, and

R51 is hydrogen or 1-4C-alkyl,

or

R4 and R5 together form a 3-4C-alkylene bridge and R41 and R51 are both hydrogen,

R6 is 1-4C-alkyl, or 1-4C-alkyl substituted by R61, in which

R61 is 1-4C-alkoxycarbonyl or -N(R611)R612, in which

R611 and R612 together and with inclusion of the nitrogen atom to which they are bound form a radical Het1, in which

Het1 is morpholin-1-yl,

R7 is Het2, R71- and/or R72- and/or R73-substituted phenyl, R74-substituted Het2, or naphthyl, in which

Het2 is either

a monocyclic or fused bicyclic 5- to 10-membered heteroaryl radical comprising one to three heteroatoms, each of which is selected from a group consisting of nitrogen, oxygen and sulfur,

or

a fused bicyclic 9- or 10-membered, partially saturated heterocyclic ring radical containing a benzene ring and comprising one or two heteroatoms, each of which is selected from a group consisting of nitrogen, oxygen and sulfur,

or

N-oxy-pyridyl,

R71 is hydroxyl, halogen, nitro, 1-4C-alkyl, 1-4C-alkoxy, amino, mono- or di-1-4C-alkylamino, 1-4C-alkylsulphonylamino, carboxyl, aryloxy, mono- or di-1-4C-alkylaminocarbonyl, carbamoyl, tetrazolyl, or -N(H)S(O)$_2$-N(R712)R713, in which

aryl is phenyl or R711-substituted phenyl, in which

R711 is halogen or 1-4C-alkyl,

R712 is 1-4C-alkyl, and

R713 is 1-4C-alkyl, or

R712 and R713 together and with inclusion of the nitrogen atom to which they are bound form a radical Het3, in which

Het3 is morpholin-4-yl,

R72 is halogen, 1-4C-alkyl or 1-4C-alkoxy,

R73 is 1-4C-alkyl or 1-4C-alkoxy,

R74 is 1-4C-alkyl, phenyl-1-4C-alkyl, arylsulphonyl, 1-4C-alkylsulphonyl, or -S(O)$_2$-N(R712)R713,

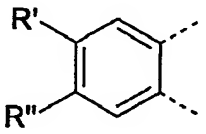
R8 is 1-4C-alkyl, cyano, or -C(O)-OR9, in which

R9 is hydrogen or 1-4C-alkyl;

under the first provisio, that this subgroup of compounds of formula I,

wherein the combination of all of the following restrictions a.) to c.) apply, is thereof disclaimed:

a.) the substitution pattern of the left R1- and/or R2- and/or R3-substituted benzo ring of the dihydroisoquinoline moiety of the pyrrolodihydroisoquinoline scaffold shown in formula I is as follows:



in which

R' is 1-4C-alkoxy, and

R" is 1-4C-alkoxy,

and

b.) R4 is hydrogen, and

R41 is hydrogen, and

R5 is hydrogen, and

R51 is hydrogen,

and

c.) R8 is -C(O)-OR9, in which

R9 is 1-4C-alkyl;

and under the second provisio, that,

when R5 and R51 are both hydrogen, then

R8 is other than -C(O)-OR9, in which

R9 is 1-4C-alkyl;

and the salts, stereoisomers, hydrates and hydrates of the salts of these compounds.

4. Compounds of formula I according to claim 1,

in which

either, in a first independent embodiment,

R1 is bound to the 8-position of the pyrrolo[2.1-a]isoquinoline ring, and is 1-2C-alkoxy,

R2 is bound to the 7-position of the pyrrolo[2.1-a]isoquinoline ring, and is hydrogen, chlorine or fluorine,

R3 is bound to the 9-position of the pyrrolo[2.1-a]isoquinoline ring, and is 1-2C-alkoxy,

R4 is hydrogen,

R41 is hydrogen,

R5 is hydrogen, 1-2C-alkyl or cyano, and

R51 is hydrogen,

or

R4 and R5 together form a tetramethylene bridge and R41 and R51 are both hydrogen,

R6 is 1-2C-alkyl, or 1-2C-alkyl substituted by R61, in which

R61 is 1-2C-alkoxycarbonyl or -N(R611)R612, in which

R611 and R612 together and with inclusion of the nitrogen atom to which they are bound form a radical Het1, in which

Het1 is morpholin-1-yl,

R7 is naphthyl, 4-hydroxy-3,5-dimethylphenyl, 4-methoxy-3,5-dimethylphenyl, 4-carboxy-phenyl, 4-carbamoyl-phenyl, 2-methyl-4-hydroxy-phenyl, 4-amino-phenyl, 4-(2H-tetrazol-5-yl)-phenyl, 4-morpholino-sulphonylamino-phenyl, 4-methylsulphonylamino-phenyl, or 2-fluoro-3,4-dimethoxy-phenyl,
pyridyl, indolyl, quinolinyl, indolinyl,
2-methyl-pyridin-4-yl, 3-methyl-pyridin-4-yl, or
N-(R74)-Het2, in which

Het2 is pyrrolyl or indolyl,

R74 is arylsulphonyl, 1-2C-alkylsulphonyl, or $-S(O)_2-N(R712)R713$, in which

aryl is phenyl, or R711-substituted phenyl, in which

R711 is 1-2C-alkyl,

R712 is 1-2C-alkyl, and

R713 is 1-2C-alkyl, or

R712 and R713 together and with inclusion of the nitrogen atom to which they are bound form a radical Het3, in which

Het3 is morpholin-4-yl, and

R8 is cyano;

or, in a second independent embodiment,

R1 is bound to the 8-position of the pyrrolo[2.1-a]isoquinoline ring, and is 1-2C-alkoxy,

R2 is bound to the 7-position of the pyrrolo[2.1-a]isoquinoline ring, and is hydrogen, chlorine or fluorine,

R3 is bound to the 9-position of the pyrrolo[2.1-a]isoquinoline ring, and is 1-2C-alkoxy,

R4 is hydrogen,

R41 is hydrogen,

R5 is 1-2C-alkyl or cyano, and

R51 is hydrogen,

or

R4 and R5 together form a tetramethylene bridge and R41 and R51 are both hydrogen,

R6 is 1-2C-alkyl, or 1-2C-alkyl substituted by R61, in which

R61 is 1-2C-alkoxycarbonyl or -N(R611)R612, in which

R611 and R612 together and with inclusion of the nitrogen atom to which they are bound form a radical Het1, in which

Het1 is morpholin-1-yl,

R7 is naphthyl, 4-hydroxy-3,5-dimethylphenyl, 4-methoxy-3,5-dimethylphenyl, 4-carboxy-phenyl, 4-carbamoyl-phenyl, 2-methyl-4-hydroxy-phenyl, 4-amino-phenyl, 4-(2H-tetrazol-5-yl)-phenyl, 4-

morpholino-sulphonylamino-phenyl, 4-methylsulphonylamino-phenyl, or 2-fluoro-3,4-dimethoxy-phenyl,
pyridyl, indolyl, quinolinyl, indolinyl,
2-methyl-pyridin-4-yl, 3-methyl-pyridin-4-yl, or
N-(R74)-Het2, in which

Het2 is pyrrolyl or indolyl,

R74 is arylsulphonyl, 1-2C-alkylsulphonyl, or -$S(O)_2$-N(R712)R713, in which

aryl is phenyl, or R711-substituted phenyl, in which

R711 is 1-2C-alkyl,

R712 is 1-2C-alkyl, and

R713 is 1-2C-alkyl, or

R712 and R713 together and with inclusion of the nitrogen atom to which they are bound form a radical Het3, in which

Het3 is morpholin-4-yl, and

R8 is -C(O)-OR9, in which

R9 is 1-2C-alkyl;

and the salts, stereoisomers, hydrates and hydrates of the salts of these compounds.

5. Compounds of formula I according to claim 1,

in which

either, in a first independent embodiment,

R1 is bound to the 8-position of the pyrrolo[2.1-a]isoquinoline ring, and is methoxy,

R2 is bound to the 7-position of the pyrrolo[2.1-a]isoquinoline ring, and is hydrogen or fluorine,

R3 is bound to the 9-position of the pyrrolo[2.1-a]isoquinoline ring, and is methoxy,

R4 is hydrogen,

R41 is hydrogen,

R5 is hydrogen, methyl or cyano,

R51 is hydrogen,

R6 is methyl, ethyl or 2-methoxycarbonylethyl,

R7 is 4-hydroxy-3,5-dimethylphenyl, 4-methoxy-3,5-dimethylphenyl, 4-carboxy-phenyl, 2-methyl-4-hydroxy-phenyl, 4-amino-phenyl, 4-(2H-tetrazol-5-yl)-phenyl, 4-morpholino-sulphonylamino-phenyl, 4-methylsulphonylamino-phenyl,
pyridyl, quinolinyl,
2-methyl-pyridin-4-yl, 3-methyl-pyridin-4-yl,
1-tolylsulphonyl-pyrrol-3-yl, 1-tolylsulphonyl-indol-3-yl, 1-phenylsulphonyl-indol-3-yl, 1-methylsulphonyl-indol-3-yl, 1-dimethylaminosulphonyl-indol-3-yl, or 1-morpholinosulphonyl-indol-3-yl, and

R8 is cyano;

or, in a second independent embodiment,

R1 is bound to the 8-position of the pyrrolo[2.1-a]isoquinoline ring, and is methoxy,

R2 is bound to the 7-position of the pyrrolo[2.1-a]isoquinoline ring, and is hydrogen or fluorine,

R3 is bound to the 9-position of the pyrrolo[2.1-a]isoquinoline ring, and is methoxy,

R4 is hydrogen,

R41 is hydrogen,

R5 is methyl or cyano,

R51 is hydrogen,

R6 is methyl, ethyl or 2-methoxycarbonylethyl,

R7 is 4-hydroxy-3,5-dimethylphenyl, 4-methoxy-3,5-dimethylphenyl, 4-carboxy-phenyl, 2-methyl-4-hydroxy-phenyl, 4-amino-phenyl, 4-(2H-tetrazol-5-yl)-phenyl, 4-morpholino-sulphonylamino-phenyl, 4-methylsulphonylamino-phenyl,
pyridyl, quinolinyl,
2-methyl-pyridin-4-yl, 3-methyl-pyridin-4-yl,
1-tolylsulphonyl-pyrrol-3-yl, 1-tolylsulphonyl-indol-3-yl, 1-phenylsulphonyl-indol-3-yl, 1-methylsulphonyl-indol-3-yl, 1-dimethylaminosulphonyl-indol-3-yl, or 1-morpholinosulphonyl-indol-3-yl, and

R8 is -C(O)-OR9, in which

R9 is methyl or ethyl;

and the salts, stereoisomers, hydrates and hydrates of the salts of these compounds.

6. Compounds of formula I according to claim 1,

in which

R1 is bound to the 8-position of the pyrrolo[2.1-a]isoquinoline ring, and is 1-2C-alkoxy, such as e.g. methoxy,

R2 is bound to the 7-position of the pyrrolo[2.1-a]isoquinoline ring, and is fluorine,

R3 is bound to the 9-position of the pyrrolo[2.1-a]isoquinoline ring, and is 1-2C-alkoxy, such as e.g. methoxy,

R4 is hydrogen,

R41 is hydrogen,

R5 is methyl or cyano,

R51 is hydrogen,

R6 is methyl, ethyl or 2-methoxycarbonylethyl,

R7 is 4-hydroxy-3,5-dimethylphenyl, 4-methoxy-3,5-dimethylphenyl, 4-carboxy-phenyl, 2-methyl-4-hydroxy-phenyl, 4-amino-phenyl, 4-(2H-tetrazol-5-yl)-phenyl, 4-morpholino-sulphonylamino-phenyl, 4-methylsulphonylamino-phenyl,
pyridyl, quinolinyl,
2-methyl-pyridin-4-yl, 3-methyl-pyridin-4-yl,

1-tolylsulphonyl-pyrrol-3-yl, 1-tolylsulphonyl-indol-3-yl, 1-phenylsulphonyl-indol-3-yl, 1-methylsulphonyl-indol-3-yl, 1-dimethylaminosulphonyl-indol-3-yl, or 1-morpholinosulphonyl-indol-3-yl,

R8 is cyano;

and the salts, stereoisomers, hydrates and hydrates of the salts of these compounds.

7. Compounds of formula I according to claim 1,

in which

R1 is bound to the 8-position of the pyrrolo[2.1-a]isoquinoline ring, and is methoxy,

R2 is bound to the 7-position of the pyrrolo[2.1-a]isoquinoline ring, and is fluorine,

R3 is bound to the 9-position of the pyrrolo[2.1-a]isoquinoline ring, and is methoxy,

R4 is hydrogen,

R41 is hydrogen,

R5 is methyl,

R51 is hydrogen,

R6 is methyl,

R7 is 4-hydroxy-3,5-dimethylphenyl, 4-methoxy-3,5-dimethylphenyl, 4-carboxy-phenyl, 2-methyl-4-hydroxy-phenyl, 4-amino-phenyl, 4-(2H-tetrazol-5-yl)-phenyl, 4-morpholino-sulphonylamino-phenyl, 4-methylsulphonylamino-phenyl,
pyridyl, quinolinyl,
2-methyl-pyridin-4-yl, 3-methyl-pyridin-4-yl,
1-tolylsulphonyl-pyrrol-3-yl, 1-tolylsulphonyl-indol-3-yl, 1-phenylsulphonyl-indol-3-yl, 1-methylsulphonyl-indol-3-yl, 1-dimethylaminosulphonyl-indol-3-yl, or 1-morpholinosulphonyl-indol-3-yl,

R8 is cyano;

and the salts, stereoisomers, hydrates and hydrates of the salts of these compounds.

8. Compounds of formula I according to claim 1,

in which

R1 is halogen or 1-2C-alkoxy,

R2 is hydrogen or 1-2C-alkoxy,

R3 is 1-2C-alkoxy,

R4 is hydrogen,

R41 is hydrogen,

R5 is 1-2C-alkyl,

R51 is hydrogen,

R6 is methyl, ethyl or methoxycabonylethyl,

R7 is phenyl, Het2, R71- and/or R72- and/or R73-substituted phenyl, or naphthyl, in which

Het2 is a heteroaryl radical selected from the group consisting of furanyl, thiophenyl, pyrrolyl, pyridinyl, quinolyl, indolyl, benzothiophenyl and benzofuranyl,

R71 is hydroxyl, chlorine, methoxy, dimethylamino, or aryloxy, in which

aryl is R711-substituted phenyl, in which

R711 is chlorine,

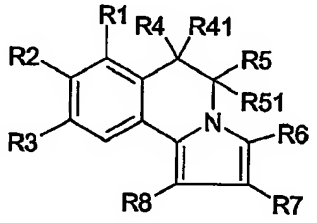
R72 is methyl, tert-butyl or methoxy,

R73 is methyl, tert-butyl or methoxy,

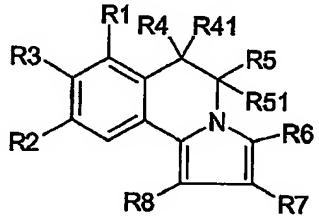
R8 is cyano,

and the salts, stereoisomers, hydrates and hydrates of the salts of these compounds.

9. Compounds according to claim 1, which are from formulae Ia or Ib,



(Ia)



(Ib)

in which,

as a first alternative,

R1 is hydrogen,

R2 is chlorine or fluorine,

R3 is methoxy or ethoxy,

or, as a second alternative,

R1 is hydrogen,

R2 is methoxy or ethoxy,

R3 is methoxy or ethoxy,

or, as a third alternative,

R1 is methoxy or ethoxy,

R2 is chlorine or fluorine,

R3 is methoxy or ethoxy,

or, as a fourth alternative,

R1 is chlorine or fluorine,

R2 is methoxy or ethoxy,

R3 is methoxy or ethoxy,

or, as a fifth alternative,

R1 is methoxy or ethoxy,

R2 is methoxy or ethoxy,

R3 is methoxy or ethoxy,

R4 is hydrogen,

R41 is hydrogen,

R5 is methyl,

R51 is hydrogen,

R6 is methyl, ethyl or methoxycarbonylethyl,

R7 is Het2, R75-substituted Het2, or 4-hydroxy-3,5-dimethyl-phenyl, in which

Het2 is pyridinyl or quinolinyl,

R75 is 1-4C-alkyl,

R8 is cyano,

and the salts, stereoisomers, hydrates and hydrates of the salts of these compounds.

10. Compounds according to any of the preceding claims,

in which

R1 is bound to the 8-position of the pyrrolo[2.1-a]isoquinoline ring, and is 1-2C-alkoxy, such as e.g. methoxy,

R2 is bound to the 7-position of the pyrrolo[2.1-a]isoquinoline ring, and is hydrogen, chlorine or fluorine,

R3 is bound to the 9-position of the pyrrolo[2.1-a]isoquinoline ring, and is 1-2C-alkoxy, such as e.g. methoxy,

and

R4 is hydrogen,

R41 is hydrogen,

R5 is 1-2C-alkyl or cyano,

R51 is hydrogen,

and

R8 is cyano,

and the salts, stereoisomers, hydrates and hydrates of the salts of these compounds.

11. Compounds according to any of the claims 1 to 9,

in which

R1 is bound to the 8-position of the pyrrolo[2.1-a]isoquinoline ring, and is 1-2C-alkoxy, such as e.g. methoxy,

R2 is bound to the 7-position of the pyrrolo[2.1-a]isoquinoline ring, and is chlorine or fluorine,

R3 is bound to the 9-position of the pyrrolo[2.1-a]isoquinoline ring, and is 1-2C-alkoxy, such as e.g. methoxy,

and

R4 is hydrogen,

R41 is hydrogen,

R5 is hydrogen, 1-2C-alkyl or cyano,

R51 is hydrogen,

and

R8 is cyano,

and the salts, stereoisomers, hydrates and hydrates of the salts of these compounds.

12. A compound according to any of the claims 1 to 9,

wherein said compound is from formula Ia as defined in claim 9, in which

R2 is methoxy,

R3 is methoxy,

R4 is hydrogen,

R41 is hydrogen,

R51 is hydrogen,

and in which R1, R5, R6 and R8 have any one of the meanings 1.) to 75.) specified in the following table:

	R1	R5	R6	R8
1.)	hydrogen	methyl	methyl	cyano
2.)	hydrogen	methyl	methyl	ethoxycarbonyl
3.)	hydrogen	methyl	2-methoxycarbonylethyl	cyano
4.)	hydrogen	methyl	2-methoxycarbonylethyl	ethoxycarbonyl
5.)	hydrogen	hydrogen	methyl	cyano
6.)	hydrogen	hydrogen	2-methoxycarbonylethyl	cyano
7.)	fluorine	methyl	methyl	cyano
8.)	fluorine	methyl	methyl	ethoxycarbonyl
9.)	fluorine	methyl	2-methoxycarbonylethyl	cyano
10.)	fluorine	methyl	2-methoxycarbonylethyl	ethoxycarbonyl
11.)	fluorine	hydrogen	methyl	cyano
12.)	fluorine	hydrogen	2-methoxycarbonylethyl	cyano
13.)	fluorine	hydrogen	methyl	ethoxycarbonyl
14.)	fluorine	hydrogen	2-methoxycarbonylethyl	ethoxycarbonyl
15.)	hydrogen	cyano	methyl	cyano
16.)	hydrogen	cyano	methyl	ethoxycarbonyl
17.)	hydrogen	cyano	2-methoxycarbonylethyl	cyano
18.)	hydrogen	cyano	2-methoxycarbonylethyl	ethoxycarbonyl
19.)	fluorine	cyano	methyl	cyano
20.)	fluorine	cyano	methyl	ethoxycarbonyl
21.)	fluorine	cyano	2-methoxycarbonylethyl	cyano
22.)	fluorine	cyano	2-methoxycarbonylethyl	ethoxycarbonyl
23.)	chlorine	methyl	methyl	cyano
24.)	chlorine	methyl	methyl	ethoxycarbonyl
25.)	chlorine	methyl	2-methoxycarbonylethyl	cyano
26.)	chlorine	methyl	2-methoxycarbonylethyl	ethoxycarbonyl
27.)	chlorine	hydrogen	methyl	cyano
28.)	chlorine	hydrogen	2-methoxycarbonylethyl	cyano
29.)	chlorine	hydrogen	methyl	ethoxycarbonyl
30.)	chlorine	hydrogen	2-methoxycarbonylethyl	ethoxycarbonyl
31.)	chlorine	cyano	methyl	cyano
32.)	chlorine	cyano	methyl	ethoxycarbonyl

33.)	chlorine	cyano	2-methoxycarbonylethyl	cyano
34.)	chlorine	cyano	2-methoxycarbonylethyl	ethoxycarbonyl
35.)	hydrogen	methyl	methyl	methoxycarbonyl
36.)	hydrogen	methyl	2-methoxycarbonylethyl	methoxycarbonyl
37.)	fluorine	methyl	methyl	methoxycarbonyl
38.)	fluorine	methyl	2-methoxycarbonylethyl	methoxycarbonyl
39.)	fluorine	hydrogen	methyl	methoxycarbonyl
40.)	fluorine	hydrogen	2-methoxycarbonylethyl	methoxycarbonyl
41.)	hydrogen	cyano	methyl	methoxycarbonyl
42.)	hydrogen	cyano	2-methoxycarbonylethyl	methoxycarbonyl
43.)	fluorine	cyano	methyl	methoxycarbonyl
44.)	fluorine	cyano	2-methoxycarbonylethyl	methoxycarbonyl
45.)	chlorine	methyl	methyl	methoxycarbonyl
46.)	chlorine	methyl	2-methoxycarbonylethyl	methoxycarbonyl
47.)	chlorine	hydrogen	methyl	methoxycarbonyl
48.)	chlorine	hydrogen	2-methoxycarbonylethyl	methoxycarbonyl
49.)	chlorine	cyano	methyl	methoxycarbonyl
50.)	chlorine	cyano	2-methoxycarbonylethyl	methoxycarbonyl
51.)	hydrogen	methyl	ethyl	cyano
52.)	hydrogen	methyl	ethyl	ethoxycarbonyl
53.)	hydrogen	hydrogen	ethyl	cyano
54.)	fluorine	methyl	ethyl	cyano
55.)	fluorine	methyl	ethyl	ethoxycarbonyl
56.)	fluorine	hydrogen	ethyl	cyano
57.)	fluorine	hydrogen	ethyl	ethoxycarbonyl
58.)	hydrogen	cyano	ethyl	cyano
59.)	hydrogen	cyano	ethyl	ethoxycarbonyl
60.)	fluorine	cyano	ethyl	cyano
61.)	fluorine	cyano	ethyl	ethoxycarbonyl
62.)	chlorine	methyl	ethyl	cyano
63.)	chlorine	methyl	ethyl	ethoxycarbonyl
64.)	chlorine	hydrogen	ethyl	cyano
65.)	chlorine	hydrogen	ethyl	ethoxycarbonyl
66.)	chlorine	cyano	ethyl	cyano
67.)	chlorine	cyano	ethyl	ethoxycarbonyl
68.)	hydrogen	methyl	ethyl	methoxycarbonyl
69.)	fluorine	methyl	ethyl	methoxycarbonyl
70.)	fluorine	hydrogen	ethyl	methoxycarbonyl
71.)	hydrogen	cyano	ethyl	methoxycarbonyl
72.)	fluorine	cyano	ethyl	methoxycarbonyl
73.)	chlorine	methyl	ethyl	methoxycarbonyl
74.)	chlorine	hydrogen	ethyl	methoxycarbonyl
75.)	chlorine	cyano	ethyl	methoxycarbonyl

or a salt, stereoisomer, hydrate or hydrate of a salt of this compound.

13. A compound according to claim 1, which is selected from the group consisting of:

1. 2-(4-Hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-3,5,5-trimethyl-5,6-dihydro-pyrrolo[2,1-α]isoquinoline-1-carboxylic acid ethyl ester
2. 8,9-Dimethoxy-3,5,5-trimethyl-2-(3,4,5-trimethoxy-phenyl)-5,6-dihydro-pyrrolo[2,1-α]isoquinoline-1-carboxylic acid ethyl ester

3. 2-[3-(4-Chloro-phenoxy)-phenyl]-8,9-dimethoxy-3,5,5-trimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
4. 2-(3-Dimethylamino-phenyl)-8,9-dimethoxy-3,5,5-trimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
5. (5RS)- (4-Hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
6. (5RS)-5-Ethyl-2-(4-hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-3-methyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
7. (5RS)-2-Chloro-5-ethyl-8,9-dimethoxy-3-methyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
8. (4aRS,8aRS)-cis-2-(4-hydroxy-3,5-dimethyl-phenyl)-10,11-dimethoxy-3-methyl-4a,5,6,7,8,8a-hexahydro-pyrrolo[2,1-f]phenanthridine-1-carboxylic acid ethyl ester
9. (5RS)-3-Ethyl-2-(4-hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-5-methyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
10. (5RS)-8,9-Dimethoxy-3,5-dimethyl-2-(3,4,5-trimethoxy-phenyl)-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
11. (5RS)-8,9-Dimethoxy-3,5-dimethyl-2-naphthalen-1-yl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
12. (4aRS,8aRS)-cis-10,11-Dimethoxy-3-methyl-2-naphthalen-1-yl-4a,5,6,7,8,8a-hexahydro-pyrrolo[2,1-f]phenanthridine-1-carboxylic acid ethyl ester
13. (4aRS,8aRS)-cis-10,11-Dimethoxy-3-methyl-2-quinolin-4-yl-4a,5,6,7,8,8a-hexahydro-pyrrolo[2,1-f]phenanthridine-1-carboxylic acid ethyl ester
14. (4aR,8aR)-10,11-Dimethoxy-3-methyl-2-quinolin-4-yl-4a,5,6,7,8,8a-hexahydro-pyrrolo[2,1-f]phenanthridine-1-carboxylic acid ethyl ester
15. (4aR,8aR)-10,11-Dimethoxy-3-methyl-2-naphthalen-1-yl-4a,5,6,7,8,8a-hexahydro-pyrrolo[2,1-f]phenanthridine-1-carboxylic acid ethyl ester
16. (4aR,8aR)-2-(4-Hydroxy-3,5-dimethyl-phenyl)-10,11-dimethoxy-3-methyl-4a,5,6,7,8,8a-hexahydro-pyrrolo[2,1-f]phenanthridine-1-carboxylic acid ethyl ester
17. (5RS)-5-Ethyl-8,9-dimethoxy-3-methyl-2-naphthalen-1-yl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
18. (5RS)-2-(4-Hydroxy-3,5-dimethyl-phenyl)-7,8,9-trimethoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
19. 2-(4-Hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1,5-dicarboxylic acid 1-ethyl 5-methyl ester
20. (5RS)-8,9-Dimethoxy-3-(2-methoxycarbonyl-ethyl)-5-methyl-2-naphthalen-1-yl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
21. 2-(4-Hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-3-methyl-5,6-dihydro-pyrollo[2,1-a]isoquinoline-1-carbonitrile
22. 8,9-Dimethoxy-3-methyl-2-naphthalen-1-yl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile

23. 8,9-Dimethoxy-3-methyl-2-quinolin-4-yl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
24. 2-(1H-Indol-3-yl)-8,9-dimethoxy-3-methyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
25. 2-(3,5-Di-tert-butyl-4-hydroxy-phenyl)-8,9-dimethoxy-3-methyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
26. 8,9-Dimethoxy-3,5-dimethyl-2-pyridin-4-yl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
27. 3-[1-Cyano-2-(4-hydroxy-3,5-dimethyl)-8,9-dimethoxy-5-methyl-5,6-dihydro-pyrrolo[2,1-a]isoquinolin3-yl]-propionic acid methyl ester
28. 2-(4-Hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile

or a salt, stereoisomer, hydrate or hydrate of a salt thereof.

14. A compound according to claim 1, which is selected from the group consisting of:

1. 2-(4-Hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-3,5,5-trimethyl-5,6-dihydro-pyrrolo[2,1-α]isoquinoline-1-carboxylic acid ethyl ester
2. 8,9-Dimethoxy-3,5,5-trimethyl-2-(3,4,5-trimethoxy-phenyl)-5,6-dihydro-pyrrolo[2,1-α]isoquinoline-1-carboxylic acid ethyl ester
3. 2-[3-(4-Chloro-phenoxy)-phenyl]-8,9-dimethoxy-3,5,5-trimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
4. 2-(3-Dimethylamino-phenyl)-8,9-dimethoxy-3,5,5-trimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
5. (5RS)- (4-Hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
6. (5RS)-5-Ethyl-2-(4-hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-3-methyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
7. (5RS)-2-Chloro-5-ethyl-8,9-dimethoxy-3-methyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
8. (4aRS,8aRS)-cis-2-(4-hydroxy-3,5-dimethyl-phenyl)-10,11-dimethoxy-3-methyl-4a,5,6,7,8,8a-hexahydro-pyrrolo[2,1-f]phenanthridine-1-carboxylic acid ethyl ester
9. (5RS)-3-Ethyl-2-(4-hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-5-methyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
10. (5RS)-8,9-Dimethoxy-3,5-dimethyl-2-(3,4,5-trimethoxy-phenyl)-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
11. (5RS)-8,9-Dimethoxy-3,5-dimethyl-2-naphthalen-1-yl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
12. (4aRS,8aRS)-cis-10,11-Dimethoxy-3-methyl-2-naphthalen-1-yl-4a,5,6,7,8,8a-hexahydro-pyrrolo[2,1-f]phenanthridine-1-carboxylic acid ethyl ester
13. (4aRS,8aRS)-cis-10,11-Dimethoxy-3-methyl-2-quinolin-4-yl-4a,5,6,7,8,8a-hexahydro-pyrrolo[2,1-f]phenanthridine-1-carboxylic acid ethyl ester

14. (4aR,8aR)-10,11-Dimethoxy-3-methyl-2-quinolin-4-yl-4a,5,6,7,8,8a-hexahydro-pyrrolo[2,1-f]phenanthridine-1-carboxylic acid ethyl ester
15. (4aR,8aR)-10,11-Dimethoxy-3-methyl-2-naphthalen-1-yl-4a,5,6,7,8,8a-hexahydro-pyrrolo[2,1-f]phenanthridine-1-carboxylic acid ethyl ester
16. (4aR,8aR)-2-(4-Hydroxy-3,5-dimethyl-phenyl)-10,11-dimethoxy-3-methyl-4a,5,6,7,8,8a-hexahydro-pyrrolo[2,1-f]phenanthridine-1-carboxylic acid ethyl ester
17. (5RS)-5-Ethyl-8,9-dimethoxy-3-methyl-2-naphthalen-1-yl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
18. (5RS)-2-(4-Hydroxy-3,5-dimethyl-phenyl)-7,8,9-trimethoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
19. 2-(4-Hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1,5-dicarboxylic acid 1-ethyl 5-methyl ester
20. (5RS)-8,9-Dimethoxy-3-(2-methoxycarbonyl-ethyl)-5-methyl-2-naphthalen-1-yl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
21. 2-(4-Hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-3-methyl-5,6-dihydro-pyrrollo[2,1-a]isoquinoline-1-carbonitrile
22. 8,9-Dimethoxy-3-methyl-2-naphthalen-1-yl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
23. 8,9-Dimethoxy-3-methyl-2-quinolin-4-yl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
24. 2-(1H-Indol-3-yl)-8,9-dimethoxy-3-methyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
25. 2-(3,5-Di-tert-butyl-4-hydroxy-phenyl)-8,9-dimethoxy-3-methyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
26. 8,9-Dimethoxy-3,5-dimethyl-2-pyridin-4-yl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
27. 3-[1-Cyano-2-(4-hydroxy-3,5-dimethyl)-8,9-dimethoxy-5-methyl-5,6-dihydro-pyrrolo[2,1-a]isoquinolin3-yl]-propionic acid methyl ester
28. 2-(4-Hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
29. 3-(1-Cyano-8,9-dimethoxy-2-pyridin-4-yl-5,6-dihydro-pyrrolo[2,1-a]isoquinolin-3-yl)-propionic acid methyl ester
30. 7-Fluoro-2-(4-hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
31. 3-(1-Cyano-8,9-dimethoxy-2-quinolin-4-yl-5,6-dihydro-pyrrolo[2,1-a]isoquinolin-3-yl)-propionic acid methyl ester
32. 3-[1-Cyano-2-(4-hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-5,6-dihydro-pyrrolo[2,1-a]isoquinolin-3-yl]-propionic acid methyl ester
33. 8,9-Dimethoxy-2-(4-methoxy-3,5-dimethyl-phenyl)-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
34. 2-(1H-Indol-5-yl)-8,9-dimethoxy-3-methyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
35. 8,9-Dimethoxy-2-(4-methoxy-3,5-dimethyl-phenyl)-3-methyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile

36. 2-(1-Benzyl-2,3-dihydro-1H-indol-5-yl)-8,9-dimethoxy-3-methyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
37. 8,9-Dimethoxy-3,5-dimethyl-2-[1-(toluene-4-sulfonyl)-1H-pyrrol-3-yl]-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
38. 8,9-Dimethoxy-3,5-dimethyl-2-[1-(toluene-4-sulfonyl)-1H-indol-3-yl]-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
39. 2-(1-Benzenesulfonyl-1H-indol-3-yl)-8,9-dimethoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
40. 2-(1-Methanesulfonyl-1H-indol-3-yl)-8,9-dimethoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
41. 8,9-Dimethoxy-3,5-dimethyl-2-(1-oxy-pyridin-4-yl)-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
42. 7-Fluoro-8,9-dimethoxy-3,5-dimethyl-2-[1-(toluene-4-sulfonyl)-1H-indol-3-yl]-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
43. 2-(2,3-Dihydro-1H-indol-5-yl)-8,9-dimethoxy-3-methyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
44. 2-(4-Hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-5-methyl-3-morpholin-4-ylmethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
45. 8,9-Dimethoxy-3,5-dimethyl-2-(2-methyl-pyridin-4-yl)-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
46. 8,9-Dimethoxy-3,5-dimethyl-2-(4-nitro-phenyl)-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
47. 4-(1-Cyano-8,9-dimethoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinolin-2-yl)-benzoic acid
48. 2-(4-Amino-phenyl)-8,9-dimethoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
49. 8,9-Dimethoxy-3,5-dimethyl-2-(3-methyl-pyridin-4-yl)-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
50. 4-(1-Cyano-8-ethoxy-9-methoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinolin-2-yl)-benzoic acid
51. 2-(4-Hydroxy-2-methyl-phenyl)-8,9-dimethoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
52. 4-(1-Cyano-8,9-dimethoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinolin-2-yl)-benzamide
53. 8-Ethoxy-2-(4-hydroxy-3,5-dimethyl-phenyl)-9-methoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
54. 3-(1-Cyano-8,9-dimethoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinolin-2-yl)-indole-1-sulfonic acid dimethylamide
55. 8,9-Dimethoxy-3,5-dimethyl-2-(2-methyl-1-oxy-pyridin-4-yl)-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile

56. 8,9-Dimethoxy-3,5-dimethyl-2-[1-(morpholine-4-sulfonyl)-1H-indol-3-yl]-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
57. 8,9-Dimethoxy-3,5-dimethyl-2-[4-(2H-tetrazol-5-yl)-phenyl]-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carbonitrile
58. Morpholine-4-sulfonic acid [4-(1-cyano-8,9-dimethoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinolin-2-yl)-phenyl]-amide
59. N-[4-(1-Cyano-8,9-dimethoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinolin-2-yl)-phenyl]-methanesulfonamide
60. 5-Ethyl-2-(2-fluoro-3,4-dimethoxy-phenyl)-8,9-dimethoxy-3-methyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
61. 7-Chloro-8,9-dimethoxy-3,5-dimethyl-2-pyridin-4-yl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
62. 7-Chloro-2-(4-hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
63. 7,8,9-Trimethoxy-3,5-dimethyl-2-pyridin-4-yl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
64. 8,9-Dimethoxy-3-(2-methoxycarbonyl-ethyl)-5-methyl-2-quinolin-4-yl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
65. 2-(4-Hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-3,5-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid methyl ester
66. 8,9-Dimethoxy-3,5-dimethyl-2-[1-(toluene-4-sulfonyl)-1H-indol-3-yl]-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid methyl ester
67. 5-Cyano-2-(4-hydroxy-3,5-dimethyl-phenyl)-8,9-dimethoxy-3-methyl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester
68. 4-(8,9-Dimethoxy-1,3-dimethyl-5,6-dihydro-pyrrolo[2,1-a]isoquinolin-2-yl)-2,6-dimethyl-phenol
69. 8,9-Dimethoxy-3-(2-methoxycarbonyl-ethyl)-5-methyl-2-quinolin-4-yl-5,6-dihydro-pyrrolo[2,1-a]isoquinoline-1-carboxylic acid ethyl ester

or a salt, stereoisomer, hydrate or hydrate of a salt thereof.

15. A compound according to claim 1 for use in therapy, such as e.g. in the treatment of disorders of the central nervous system, or in the treatment of diabetes, or in the regulation of fertility.

16. Use of a compound according to claim 1 in the manufacture of pharmaceutical compositions for the treatment of neurologic and/or psychiatric disorders, such as e.g. psychotic disorders, anxiety disorders, mood disorders or episodes, drug addictions, movement disorders or disorders comprising deficient cognition as a symptom.

17. A pharmaceutical composition comprising as an active ingredient an effective amount of at least one of the compounds according to claim 1 together with suitable pharmaceutical auxiliaries and/or excipients.

18. A method for treating mammals, including humans, suffering from a neurologic or psychiatric disorder comprising administering to said ill mammal a therapeutically effective and tolerable and pharmacologically active quantity of one or more of the compounds according to claim 1.

19. A method for regulating fertility in mammals, including humans, comprising administering to said mammal an effective and tolerable quantity of one or more of the compounds according to claim 1.

20. A method for treating mammals, including humans, suffering from diabetes comprising administering to said ill mammal a therapeutically effective and tolerable and pharmacologically active quantity of one or more of the compounds according to claim 1.